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Notice of Allowability	Application No.	Applicant(s)	
	10/772,282	KIKa	
	Examiner	Art Unit	
	Thuy V. Tran	2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. ☒ This communication is responsive to amendment submitted 02/22/2005.
- 2. ☒ The allowed claim(s) is/are 34-51.
- 3. ☒ The drawings filed on 2/6/04 are accepted by the Examiner.
- 4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☒ None of the:
 - 1. ☒ Certified copies of the priority documents have been received.
 - 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

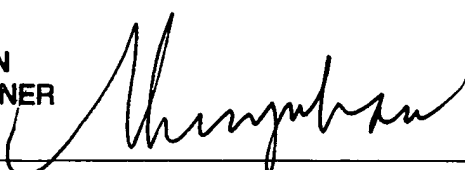
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 - 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
- 7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

**THUY V. TRAN
PRIMARY EXAMINER**



DETAILED ACTION

This is a response to the Applicant's amendment submitted on 02/22/2005. In virtue of this amendment:

- Claims 1-33 are canceled;
- Claims 34-51 are newly added; and thus,
- Claims 34-51 are now presented in the instant application.

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The Examiner finds that claim 35 contains a typographical error, which is a period punctuation mark between "terminal" and "end" in line 27. Therefore, this Examiner's Amendment is being made to correct such error only.

The amendment includes:

Claim 35, line 27, delete "." between "terminal" and "end".

Allowable Subject Matter

2. Claims 34-51 are allowed.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

Prior art fails to disclose or fairly suggest:

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- A high-voltage discharge lamp lighting apparatus wherein the cap means has a fitting and attaching portion which is formed of a cylindrical member capable of being fitted to the inner circumference of the cylindrical member of the socket means, and first and second contacts being capable of contacting with the two connecting pieces of the socket means and disposed in ring shapes apart from each other in the axial direction on the outer-circumferential surface of the cylindrical member of the cap means, the first contact being connected to one electrode of the high-voltage discharge lamp, the second contact being connected to a terminal end extended from the other electrode of the high voltage discharge lamp via the secondary coil of the high-voltage pulse generating transformer, in combination with the remaining claimed limitations as called for in independent claims 34 and 35;
- A high-voltage discharge lamp lighting apparatus wherein the cap means has a fitting and attaching portion which is formed of a cylindrical member capable of being fitted to the inner circumference of the cylindrical member of the socket means, a first contact being capable of contacting with the two connecting pieces of the socket means and disposed in a ring shape on the outer-circumferential surface of the cylindrical member of the cap means, and a high voltage side contact being capable of contacting with the high voltage side connecting piece of the socket means and disposed in a projected shape on the outer bottom surface of the cylindrical member of the cap means, the first contact and the high voltage contact being connected respectively to opposite electrodes of the high-voltage discharge lamp, in

combination with the remaining claimed limitations as called for in independent claim 36;

- A high-voltage discharge lamp lighting apparatus wherein the cap means has a fitting and attaching portion which is formed of a cylindrical member capable of being fitted to the inner circumference of the cylindrical member of the socket means, a first contact being capable of contacting with the first connecting piece of the socket means and disposed in a ring shape on the outer-circumferential surface of the cylindrical member of the cap means, and a high voltage side contact being capable of contacting with the high voltage side connecting piece of the socket means and disposed in a projected shape on the outer bottom surface of the cylindrical member of the cap means, the first contact and the high voltage contact being connected respectively to opposite electrodes of the high-voltage discharge lamp, in combination with the remaining claimed limitations as called for in independent claim 37;
- A high-voltage discharge lamp lighting apparatus wherein the high-voltage pulse generating transformer comprises the magnetic core comprising a first magnetic core member having a pair of leg portions and a U-shaped cross-section, and a second magnetic core member being in a linear shape and having one end in contact with one leg portion of the first magnetic core member and the other end opposed to the other leg of the first magnetic core member with a gap formed therebetween, in combination with the remaining claimed limitations as called for in independent claim 38;

- A high-voltage discharge lamp lighting apparatus wherein the cap means has a fitting and attaching portion which is formed of a cylindrical member capable of being fitted to the inner circumference of the cylindrical member of the socket means, a first contact being capable of contacting with the two connecting pieces of the socket means and disposed in a ring shape on the outer-circumferential surface of the cylindrical member of the cap means, and a high voltage side contact being capable of contacting with the high voltage side connecting piece of the socket means and disposed in a projected shape on the outer bottom surface of the cylindrical member of the cap means, the first contact and the high voltage side contact being connected respectively to opposite electrodes of the high-voltage discharge lamp, in combination with the remaining claimed limitations as called for in independent claim 39;
- A high-voltage discharge lamp apparatus comprising a high-voltage discharge lamp and a high voltage discharge lamp lighting apparatus wherein the cap means has a fitting and attaching portion which is formed of a cylindrical member capable of being fitted to the inner circumference of the cylindrical member of the socket means, and first and second contacts being capable of contacting with the two connecting pieces of the socket means and disposed in ring shapes apart from each other in the axial direction on the outer-circumferential surface of the cylindrical member of the cap means, the first contact being connected to one electrode of the high-voltage discharge lamp, the second contact being connected to a terminal end extended from the other electrode of the high voltage discharge lamp via the secondary coil of the

high-voltage pulse generating transformer, in combination with the remaining claimed limitations as called for in independent claims 40 and 41;

- A high-voltage discharge lamp apparatus comprising a high-voltage discharge lamp and a high-voltage discharge lamp lighting apparatus wherein the cap means has a fitting and attaching portion which is formed of a cylindrical member capable of being fitted to the inner circumference of the cylindrical member of the socket means, a first contact being capable of contacting with the two connecting pieces of the socket means and disposed in a ring shape on the outer-circumferential surface of the cylindrical member of the cap means, and a high voltage side contact being capable of contacting with the high voltage side connecting piece of the socket means and disposed in a projected shape on the outer bottom surface of the cylindrical member of the cap means, the first contact and the high voltage contact being connected respectively to opposite electrodes of the high-voltage discharge lamp, in combination with the remaining claimed limitations as called for in independent claim 42;
- A high voltage discharge lamp apparatus comprising a high-voltage discharge lamp and a high-voltage discharge lamp lighting apparatus wherein the cap means has a fitting and attaching portion which is formed of a cylindrical member capable of being fitted to the inner circumference of the cylindrical member of the socket means, a first contact being capable of contacting with the first connecting piece of the socket means and disposed in a ring shape on the outer-circumferential surface of the cylindrical member of the cap means, and a high voltage side contact being capable

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of contacting with the high voltage side connecting piece of the socket means and disposed in a projected shape on the outer bottom surface of the cylindrical member of the cap means, the first contact and the high voltage contact being connected respectively to opposite electrodes of the high-voltage discharge lamp, in combination with the remaining claimed limitations as called for in independent claim 43;

- A high voltage discharge lamp apparatus comprising a high voltage discharge lamp and a high-voltage discharge lamp lighting apparatus wherein the high-voltage pulse generating transformer comprises the magnetic core comprising a first magnetic core member having a pair of leg portions and a U-shaped cross-section, and a second magnetic core member being in a linear shape and having one end in contact with one leg portion of the first magnetic core member and the other end opposed to the other leg of the first magnetic core member with a gap formed therebetween, in combination with the remaining claimed limitations as called for in independent claims 44 and 45;
- A floodlight projector apparatus comprising a high voltage discharge lamp and a high voltage discharge lamp lighting apparatus wherein the cap means has a fitting and attaching portion which is formed of a cylindrical member capable of being fitted to the inner circumference of the cylindrical member of the socket means, and first and second contacts being capable of contacting with the two connecting pieces of the socket means and disposed in ring shapes apart from each other in the axial direction on the outer-circumferential surface of the cylindrical member of the cap means, the

first contact being connected to one electrode of the high-voltage discharge lamp, the second contact being connected to a terminal end extended from the other electrode of the high voltage discharge lamp via the secondary coil of the high-voltage pulse generating transformer, in combination with the remaining claimed limitations as called for in independent claim 46;

- A floodlight projector apparatus a high-voltage discharge lamp and a high voltage discharge lamp lighting apparatus wherein the cap means has a fitting and attaching portion which is formed of a cylindrical member capable of being fitted to the inner circumference of the cylindrical member of the socket means, and first and second contacts being capable of contacting with the two connecting pieces of the socket means and disposed in ring shapes apart from each other in the axial direction on the outer-circumferential surface of the cylindrical member of the cap means, the first contact being connected to one electrode of the high-voltage discharge lamp, the second contact being connected to a terminal end extended from the other electrode of the high voltage discharge lamp via the secondary coil of the high-voltage pulse generating transformer, in combination with the remaining claimed limitations as called for in independent claim 47;
- A floodlight projector apparatus comprising a high-voltage discharge lamp and a high-voltage discharge lamp lighting apparatus wherein the cap means has a fitting and attaching portion which is formed of a cylindrical member capable of being fitted to the inner circumference of the cylindrical member of the socket means, a first contact being capable of contacting with the two connecting pieces of the socket

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means and disposed in a ring shape on the outer-circumferential surface of the cylindrical member of the cap means, and a high voltage side contact being capable of contacting with the high voltage side connecting piece of the socket means and disposed in a projected shape on the outer bottom surface of the cylindrical member of the cap means, the first contact and the high voltage contact being connected respectively to opposite electrodes of the high-voltage discharge lamp, in combination with the remaining claimed limitations as called for in independent claim 48;

- A floodlight projector apparatus comprising a high-voltage discharge lamp and a high-voltage discharge lamp lighting apparatus wherein the cap means has a fitting and attaching portion which is formed of a cylindrical member capable of being fitted to the inner circumference of the cylindrical member of the socket means, a first contact being capable of contacting with the first connecting piece of the socket means and disposed in a ring shape on the outer-circumferential surface of the cylindrical member of the cap means, and a high voltage side contact being capable of contacting with the high voltage side connecting piece of the socket means and disposed in a projected shape on the outer bottom surface of the cylindrical member of the cap means, the first contact and the high voltage contact being connected respectively to opposite electrodes of the high-voltage discharge lamp, in combination with the remaining claimed limitations as called for in independent claim 49; and

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- A floodlight projector apparatus comprising a high voltage discharge lamp and a high-voltage discharge lamp lighting apparatus wherein the high-voltage pulse generating transformer comprises the magnetic core comprising a first magnetic core member having a pair of leg portions and a U-shaped cross-section, and a second magnetic core member being in a linear shape and having one end in contact with one leg portion of the first magnetic core member and the other end opposed to the other leg portion of the first magnetic core member with a gap formed therebetween, in combination with the remaining claimed limitations as called for in independent claims 50 and 51.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Inquiry

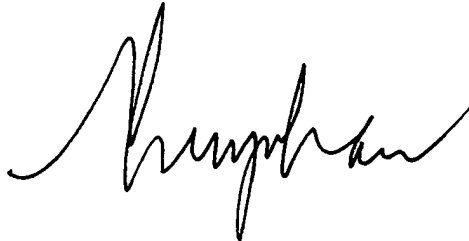
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuy V. Tran whose telephone number is (571) 272-1828. The examiner can normally be reached on M-F (8:00 AM -5:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

03/06/2005

A handwritten signature in black ink, appearing to read 'Thuy V. Tran', with a stylized, cursive script.

**THUY V. TRAN
PRIMARY EXAMINER**